BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

me of Work : Improvements to roads and drains at Shettyhalli Old Village in Ward No.12 Shettyhalli, Shettyhalli Sub Division.

Est .Cost Rs.40.00 Lakhs

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-3. Earthwork excavation by manual means in ordinary soil invoiving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. **P. No. 142/ It No. 19.1/ PWD SR 2016-17**								
	For drain	**Cum**							
	Shettyhalli main road from aralimara		2	180.00	1.20	1.00	432.00		
	cross road		1	105.00	1.00	1.00	105.00		
	For culverts		6	7.00	1.50	1.00	63.00		
							600.00	175.96	**105576.00**
	Basic Rate	**82.00**							
	add loading & unloading charges	68.00							
	lead for 5 km=5*1.28*2.5	16.00							
	Total	166.00							
	add AW 6%	9.96							
		175.96							
2	KSRB 4-1.3 : **Providing and laying in position plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.3 **Page No.12/ Item No. 4.3/ PWD SR 2016-17**								
	Shettyhalli main road from aralimara	cum	2	180.00	1.00	0.15	54.00		
	cross road		1	105.00	1.00	0.15	15.75		
	For culverts		6	7.00	1.50	0.15	9.45		
							79.20	5159.02	**408594.00**
	Basic Rate	4867.00							
	Add A.W 6%	292.02							
	Total	**5159.02**							
3	KSRB 4.2.2 : **Providing and laying in position reinforced cement concrete of design mix M20** with OPC cement @ 320kgs, with with 20mm and down size graded granite metal, coarse aggregate @ 0.69 cum and fine aggregates @ .460cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafairmed -2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings,pedastals,retaining walls, staircase, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.5 **,P.13/I.4.11/ PWD SR 2016-17**								
	For drain bottom	Cum							

Scanned by CamScanner

	Shettyhalli main road from aralimara								
	cross road			2	180.00	1.00	0.15	54.00	
	for side wall			1	105.00	1.00	0.15	15.75	
	Shettyhalli main road from aralimara								
	cross road			4	180.00	0.15	0.70	75.60	
	For culverts bottom			2	105.00	0.15	0.70	22.05	
	sides			6	7.00	1.50	0.15	9.45	
	for deck slab			12	7.00	0.35	0.70	20.58	
				6	7.00	1.50	0.23	14.49	
		Basic Rate	6011.00					**211.92**	6371.66	**1350282.00**
		Add A.W 6%	360.66							
		Total	**6371.66**							
4	KSRB 4-6.4 : **Providing and removing centering, shuttering**, strutting,. propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached1 pilasters, buttresses, plinth cilis and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No.15/ Item No. 4.31/ PWD SR 2016-17**									
	Shettyhalli main road from aralimara	**sqm**		6	180.00		0.75	810.00		
	cross road			3	105.00		0.75	236.25		
	For culverts			24	7.00		0.75	126.00		
	for deck slab			6	7.00	0.60		25.20		
	sides			6	16.00		0.30	28.80		
		Basic Rate	293.00					**1226.25**	310.58	**380849.00**
		Add A.W 6%	17.58							
		Total	**310.58**							
5	KSRB 4.9.2: **Providing T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3, TMT bars **Fe 500**. **Page No. 17/ Item No. 4.46.2/ PWD SR 2016-17**									
	for drain	Tonnes		167.40	x	60kgs	10044.00		
	for cd's			44.52	x	75 kgs	3339.00		
							13383.00		
					or say		**13.38**	64243.42	**859770.00**
		Basic Rate	60607.00						
		Add A.W 6%	3636.42						
		Total	**64243.42**						
6	**Providing & laying reinforeced cement precast slabs** of mix **CC 1:11/2:3** using 20mm & down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & Complete as per specfications.								
	Shettyhalli main road from aralimara	Sqm	2	180.00		0.90	324.00		
	cross road		1	105.00		0.90	94.50		
	Approved Rate of Precast slab	**1680.00**					**418.50**	1680.00	**703080.00**

Scanned by CamScanner

							Sub Total		3808151.00
7	Add Tender Primium @ 5 %								190408.00
8	Miscellaneous and unforeseen charges							L.S	1441.00
							Grand Total		4000000.00

(Rupees Forty Lakhs Only)

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2016-17
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.

Asst Engineer
Ward No-12

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

ನಂ. EE/DD/AS/664/1718 ದಿನಾಂಕ: 26.12.17
ರೂ. Rs 40.00 lakhs / Rupees forty lakhs only
ಅಂದಾಜು ಪ[illegible] ಅಧಿಯಂತರರು
[illegible] ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
[illegible] ವಲಯ, ಬೆಂಗಳೂರು

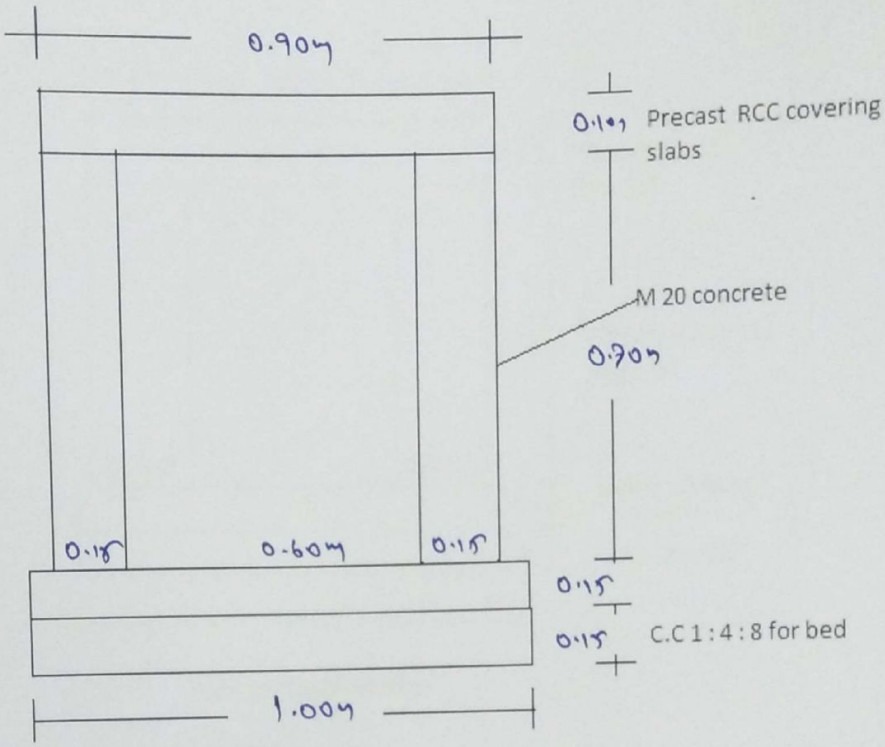
ನಂ. CE/HS/398/17-18 ದಿನಾಂಕ: 27/12/2017
ರೂ. Rs. 40-00 Lakhs only
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ [illegible]
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ: ಬೆಂಗಳೂರು

Scanned by CamScanner

Name of work : Improvements to roads and drains at Shettyhalli Old Village in Ward No.12 Shettyhalli, Shettyhalli Sub Division.

Estimated cost : Rs 40.00 Lakhs

POW 2017-18 work



cross section of RCC drain

Assistant Engineer
Ward No 12

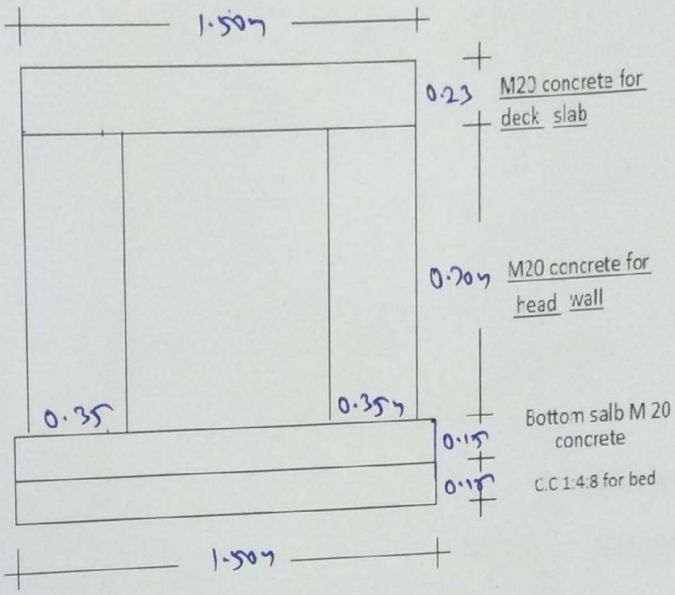
Assistant Executive Engineer
Shettyhalli Sub Division

Scanned by CamScanner

Name of work : Improvements to roads and drains at Shettyhalli Old Village in Ward No.12 Shettyhalli, Shettyhalli Sub Division.

Estimated cost : Rs 40.00 Lakhs

POW work 2017-18



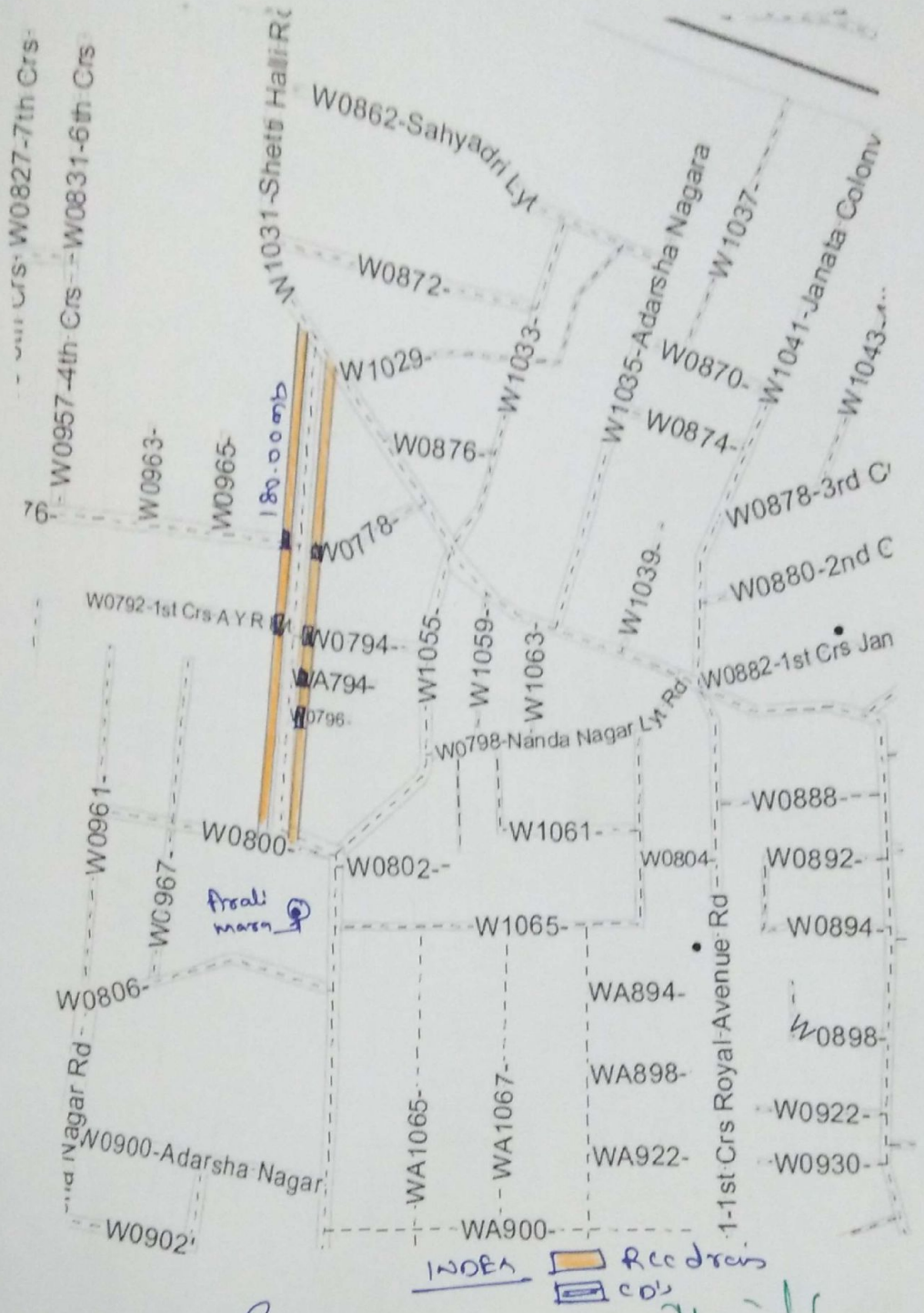
cross section of culverts

Assistant Engineer
Ward No 12

Assistant Executive Engineer
Shettyhalli Sub Division

Scanned by CamScanner

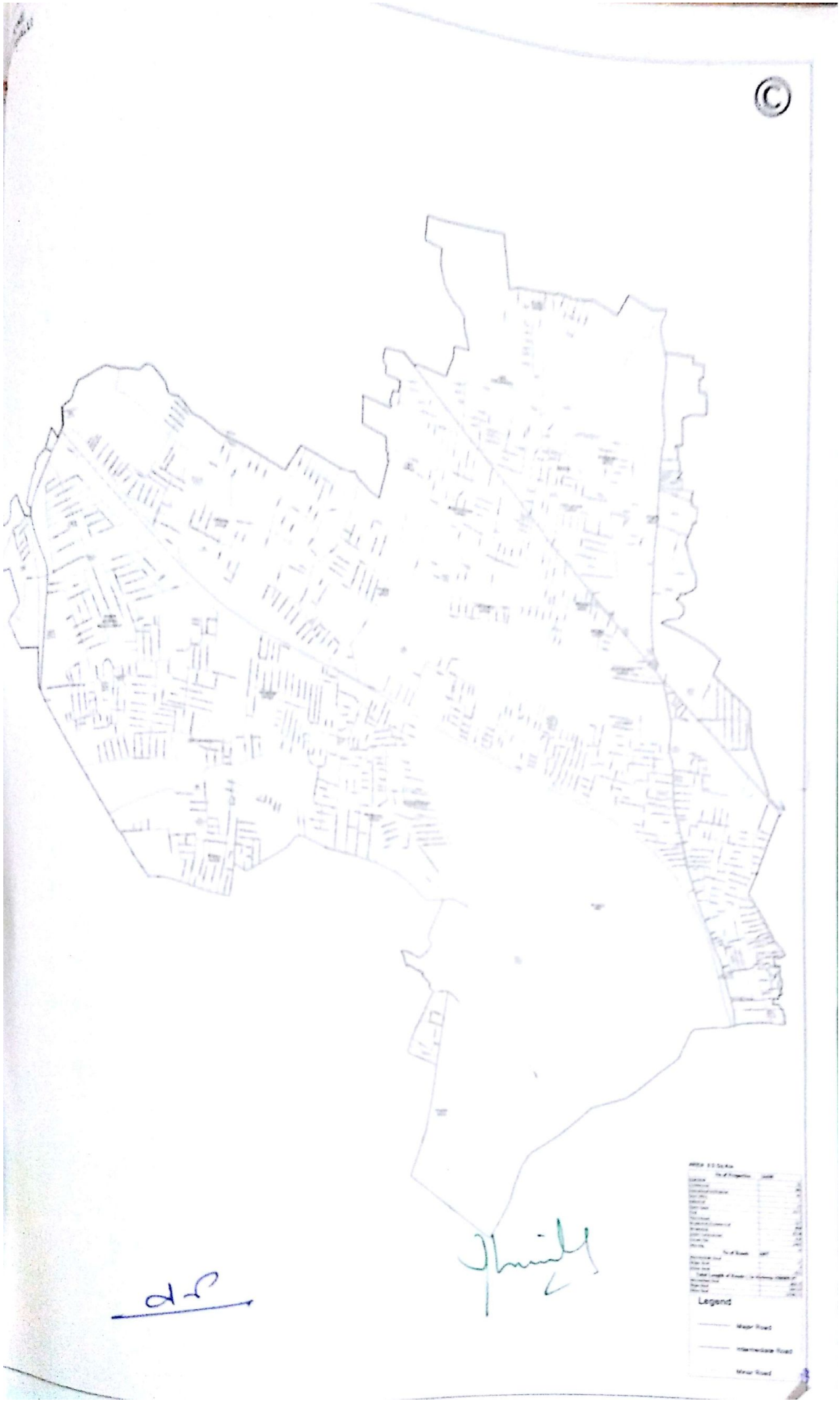
Name of Work: Improvements to roads and drains at Shettyhalli Old Village in Ward No.12 Shettyhalli, Shettyhalli Sub Division.



Assistant Engineer
Ward No 12

Assistant Executive Engineer
Shettyhalli Sub Division

Scanned by CamScanner



Scanned by CamScanner